

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10659	(313/627-643,567,111-117,25-27,318.01-318.09 439/615,739 445/24,26,29,22).ccls.	USPAT	OR	ON	2008/08/12 06:40
L2	603	L1 and lamp and discharge and electrode and reflector	USPAT	OR	ON	2008/08/12 06:40
L3	6	L2 and ((protrusion projection bump lump lug reference) with melt\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/12 06:40
L4	109	1 and ((protrusion projection bump lump lug reference) with (alignment aligning))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/12 06:49
L5	0	1 and ((protrusion projection bump lump lug reference) with (alignment aligning) with melt\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/12 06:50
L6	31	4 and melt\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/12 06:50
L7	2	"4641056".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/12 07:04
L8	2	"4412273".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/12 07:06
L9	6	L2 and ((protrusion projection bump lump lug reference) with (melt\$3 thermo\$1set\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/12 07:08

L10	46569	melt\$3 near5 (protrusion projection bump lump lug reference alignment aligning element)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/12 07:12
L11	93	1 and 10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/12 07:12
L12	69261	(form\$3 mak\$3 shap\$3) near40 (lug project\$3 protrus\$3 alignment aligning bump\$1 lump\$1) near40 (melt\$3 heat\$3 soften fus\$3 dissolv\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/12 07:31
L13	2109	12 and (lamp bulb burner) and (auto automobile mobile vehicle vehicular car)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/12 07:33
L14	822	13 and @ad<"20030801"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/12 07:33
L15	2590	L1 and lamp and discharge and electrode	USPAT	OR	ON	2008/08/12 08:12
L16	247	15 and ((protrusion projection bump lump lug reference) with (short\$3 less low\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/12 08:14
L17	1	"5235498".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/12 08:56
S1	10504	(313/627-643,567,111- 117,25-27,318.01-318.09 439/615,739 445/24,26,29,22).ccls.	USPAT	OR	ON	2008/02/08 14:36
S2	586	S1 and lamp and discharge and electrode and reflector	USPAT	OR	ON	2008/02/08 14:37
S3	585	S2 and @ad<"20030801"	USPAT	OR	ON	2008/02/08 14:38
S4	4	(Meinecke near1 Klaus).in.	USPAT	OR	ON	2008/02/08 14:39

S5	8	("4795939"   "5696424"   "5742114"   "5839818"   "6005336"   "6033248"   "6080019"   "6296373").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/08 14:44
S6	18	("0673191"   "0927908"   "1020732"   "1121759"   "1166189"   "1757711"   "2223344"   "2357105"   "4396860"   "5021706").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/08 14:44
S7	1	("3737960").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/08 14:45
S8	7	("2177705"   "2880347"   "3413508"   "3553519").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/08 14:45
S9	34	(S5 S6 S7 S8)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/08 14:46
S10	1	"4119877".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/08 14:47
S11	7	("3173735"   "3327281"   "3739221"   "4012658"   "4013335").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/08 14:47
S12	42	(S9 S10 S11)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/08 14:47
S13	32	S12 and (lamp base burner machin\$3 reference position \$2 tab deform\$6 injection mold\$3 cast\$3 lock\$3 press \$3 adhesion (discharge near1 vessel) gas electrode flange project headlight reflector contact (position near1 reference) element (method near10 (milling melting)) (burner near5 (unremovable permanent fixed)))	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/08 14:57
S14	0	S13 and (burner near10 fixed near10 base)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/08 15:32
S15	0	S13 and (lamp near10 fixed near10 base)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/08 15:32
S16	0	S13 and (element near10 fixed near10 base)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/08 15:33
S17	1	S13 and ((burner element lamp) near10 (fixed fasten \$3) near10 base)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/08 15:34
S18	0	S3 and (burner near10 (fixed fasten\$3) near10 base)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/02/08 15:36
S19	2	S3 and ((burner element) near10 (fixed fasten\$3) near10 base)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/02/08 15:37

S20	8	("4795939"   "5696424"   "5742114"   "5839818"   "6005336"   "6033248"   "6080019"   "6296373").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 11:07
S21	18	("0673191"   "0927908"   "1020732"   "1121759"   "1166189"   "1757711"   "2223344"   "2357105"   "4396860"   "5021706").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 11:07
S22	1	("3737960").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 11:07
S23	7	("2177705"   "2880347"   "3413508"   "3553519").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 11:07
S24	34	(S20 S21 S22 S23)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 11:07
S25	1	"4119877".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 11:07
S26	7	("3173735"   "3327281"   "3739221"   "4012658"   "4013335").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 11:07
S27	42	(S24 S25 S26)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 11:07
S28	32	S27 and (lamp base burner machin\$3 reference position \$2 tab deform\$6 injection mold\$3 cast\$3 lock\$3 press \$3 adhesion (discharge near1 vessel) gas electrode flange project headlight reflector contact (position near1 reference) element (method near10 (milling melting)) (burner near5 (unremovable permanent fixed)))	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 11:07
S29	2	S28 and (mill\$3 melt\$3)	USPAT	OR	ON	2008/02/20 11:07
S30	0	("position reference element \$1")	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 12:08
S31	0	("position reference element \$1")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 12:08
S32	580	(position near1 reference near1 element\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 12:09

S33	7	S32 and (headlight headlamp headlite)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 12:10
S34	1	S33 and @ad< "20030801"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 12:10
S35	9288	lamp and base and (auto car vehicle) and reflector	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 12:13
S36	4662	S35 and @ad< "20030801"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 12:13
S37	403	S36 and ((reference position) near1 (mark\$1 lug point element))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 12:14
S38	8	("5957569" "6005336" "6710526" "4950942").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/20 12:39
S39	4	("5957569" "6005336" "6710526" "4950942").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 12:39
S40	0	S37 and ((lamp burner) near3 fixed near5 base near20 (molding casting adhesion locking pressing))	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:11
S41	1	S36 and ((lamp burner) near3 fixed near5 base near20 (molding casting adhesion locking pressing))	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:12
S42	5921	lamp and (auto automobile vehicle car) and electrodes and ((injection near1 molding) casting adhesion locking pressing)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:14
S43	3012	S42 and @ad< "20030801"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:15

S44	193	S43 and ((lamp burner near40 ((injection near1 molding) casting adhesion locking pressing))	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:17
S45	126	S43 and ((lamp burner near40 ((injection near1 molding) casting locking pressing))	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:19
S46	0	("burner is fastened to the lamp base")	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:21
S47	1064	(burner lamp) near40 base near40 (fasten\$2 fixed secur \$2 attached) near40 (injection cast\$3 mold\$3 lock\$3 press\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:23
S48	389	S47 and @ad< "20030801"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:24
S49	88	S48 and (vehicle car auto automobile)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:25
S50	196397	((injection near1 mold\$3) cast\$3 mold\$3 pressing lock \$3) near10 base	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:33
S51	16968	S50 and (light lamp bulb) and (auto automobile vehicle car)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:34
S52	782	S51 and electrodes and @ad< "20030801"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:35
S53	16750	(313/627-643, 313/567 313/111-117 313/25-27 313/318.01-318.09 439/615,739 445/24,26,29,22).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:37
S54	1978	S53 and (auto automobile vehicle car)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:37
S55	133	S54 and (((injection near1 mold\$3) cast\$3 mold\$3 pressing lock\$3) near10 base)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:39
S56	2513	"445".clas. and ((injection near1 mold\$3) casting adhesion pressing locking)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:46
S57	1387	S56 and @ad< "20030801"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:47
S58	160	S57 and (auto automobile vehicle car)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:47
S59	122	S53 and (lamp near40 base near40 lock\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:54
S60	73	S59 and @ad< "20030801"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 13:54

S61	4	S54 and ((burner lamp vessel) near5 (fastened fixed secured) near10 base near40 (injection pressing molding locking))	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 14:04
S62	2	("6005336" "4950942").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/04 09:53
S63	2	S62 and (injection cast\$3 adhesion lock\$3 press\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/04 09:53
S64	9	klaus and meinecke.in.	USPAT	OR	ON	2008/03/04 10:00
S65	0	S64 and ((injection cast\$3 lock\$3 press\$3) near5 burner near10 bas)	USPAT	OR	ON	2008/03/04 10:46
S66	0	S64 and ((injection cast\$3 lock\$3 press\$3) near5 burner near10 base)	USPAT	OR	ON	2008/03/04 10:47
S67	1	S64 and ((injection cast\$3 lock\$3 press\$3) near5 (lamp burner base))	USPAT	OR	ON	2008/03/04 10:47
S68	0	S64 and injection	USPAT	OR	ON	2008/03/04 10:48
S69	10526	(313/627-643,567,111-117,25-27,318.01-318.09 439/615,739 445/24,26,29,22).ccs.	USPAT	OR	ON	2008/03/04 10:49
S70	589	S69 and lamp and discharge and electrode and reflector	USPAT	OR	ON	2008/03/04 10:49
S71	588	S70 and @ad< "200300801"	USPAT	OR	ON	2008/03/04 10:49
S72	7	S71 and (injection near1 mold\$3)	USPAT	OR	ON	2008/03/04 10:49
S73	199	S71 and ((two near1 electrode\$1) (second near1 electrode\$1))	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/04 11:11
S74	74	S73 and (gas near1 discharge)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/04 11:11
S75	10	S74 and (head\$1light head \$1lite head\$1lamp)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/04 11:13
S76	9318	lamp and base and (auto car vehicle) and reflector	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/04 11:24

S77	4663	S76 and @ad< "20030801"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/04 11:24
S78	403	S77 and ((reference position) near1 (mark\$1 lug point element))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/04 11:24
S79	90	S78 and flange	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/04 11:24
S80	3	S79 and (flange near40 base near40 reference)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/04 11:26
S81	5	S78 and (reference near40 (mill\$3 melt\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/04 12:18
S82	13	S78 and (reference near20 (mill\$3 melt\$3 grind\$3 machined machining filing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/04 12:26
S83	7	("7327086" "6710526" "5299100" "6005336").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/04 13:28
S84	4	("7327086" "6710526" "5299100" "6005336").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/04 13:28
S85	196872	((injection near1 mold\$3) cast\$3 mold\$3 pressing lock \$3) near10 base	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/04 13:45
S86	17009	S85 and (light lamp bulb) and (auto automobile vehicle car)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/04 13:45
S87	782	S86 and electrodes and @ad< "20030801"	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/04 13:45



S88	782	S87 and (discharge vessel gas electrode)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/04 13:45
S89	610	S88 and @ad< "20020801"	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/04 13:46
S90	240	S89 and lamp and (auto automobile car vehicle)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/04 13:47
S91	39	S90 and (head\$1light head \$1lite head\$1lamp)	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/04 13:47
S92	1	"20020060912".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/03/04 14:00

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